

Yasuaki Kumamoto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

508

citations

13

h-index

22

g-index

35

ext. papers

621

ext. citations

7.2

avg, IF

3.85

L-index

#	Paper	IF	Citations
28	Plasmon-enhanced UV photocatalysis. <i>Applied Physics Letters</i> , 2014 , 104, 061108	3.4	70
27	Nano-Raman Scattering Microscopy: Resolution and Enhancement. <i>Chemical Reviews</i> , 2017 , 117, 4983-5081	10.1	61
26	Indium for Deep-Ultraviolet Surface-Enhanced Resonance Raman Scattering. <i>ACS Photonics</i> , 2014 , 1, 598-603	6.3	50
25	Deep ultraviolet resonant Raman imaging of a cell. <i>Journal of Biomedical Optics</i> , 2012 , 17, 076001	3.5	42
24	Deep UV resonant Raman spectroscopy for photodamage characterization in cells. <i>Biomedical Optics Express</i> , 2011 , 2, 927-36	3.5	38
23	Label-free Molecular Imaging and Analysis by Raman Spectroscopy. <i>Acta Histochemica Et Cytochemica</i> , 2018 , 51, 101-110	1.9	32
22	Anomalous lattice vibrations of monolayer MoS2 probed by ultraviolet Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14561-8	3.6	31
21	Bioconjugation strategy for cell surface labelling with gold nanostructures designed for highly localized pH measurement. <i>Nature Communications</i> , 2018 , 9, 5278	17.4	29
20	Deep-ultraviolet Raman scattering studies of monolayer graphene thin films. <i>Carbon</i> , 2015 , 81, 807-813	10.4	23
19	Deep-UV biological imaging by lanthanide ion molecular protection. <i>Biomedical Optics Express</i> , 2016 , 7, 158-70	3.5	23
18	Rapid and accurate peripheral nerve imaging by multipoint Raman spectroscopy. <i>Scientific Reports</i> , 2017 , 7, 845	4.9	17
17	Deep-Ultraviolet Biomolecular Imaging and Analysis. <i>Advanced Optical Materials</i> , 2019 , 7, 1801099	8.1	17
16	Label-free detection of myocardial ischaemia in the perfused rat heart by spontaneous Raman spectroscopy. <i>Scientific Reports</i> , 2017 , 7, 42401	4.9	14
15	High-Resolution Raman Microscopic Detection of Follicular Thyroid Cancer Cells with Unsupervised Machine Learning. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 4358-4372	3.4	11
14	Deep-ultraviolet Raman scattering spectroscopy of monolayer WS. <i>Scientific Reports</i> , 2018 , 8, 11398	4.9	9
13	Raman micro-spectroscopy as a viable tool to monitor and estimate the ionic transport in epithelial cells. <i>Scientific Reports</i> , 2017 , 7, 3395	4.9	9
12	High-Throughput Cell Imaging and Classification by Narrowband and Low-Spectral-Resolution Raman Microscopy. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 2654-2661	3.4	8

11	Fluorescence-based discrimination of breast cancer cells by direct exposure to 5-aminolevulinic acid. <i>Cancer Medicine</i> , 2019 , 8, 5524-5533	4.8	6
10	Deep-UV excitation fluorescence microscopy for detection of lymph node metastasis using deep neural network. <i>Scientific Reports</i> , 2019 , 9, 16912	4.9	5
9	Temperature-dependent Photodegradation in UV-resonance Raman Spectroscopy. <i>Analytical Sciences</i> , 2015 , 31, 451-4	1.7	3
8	Deep-Ultraviolet Microscopy and Microspectroscopy 2015 , 123-144		3
7	Hot Carrier Generation in Two-Dimensional Silver Nanoparticle Arrays at Different Excitation Wavelengths under On-Resonant Conditions. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13936-13941	3.8	2
6	Terbium ion as RNA tag for slide-free pathology with deep-ultraviolet excitation fluorescence. <i>Scientific Reports</i> , 2019 , 9, 10745	4.9	2
5	Raman Spectroscopic Assessment of Myocardial Viability in Langendorff-Perfused Ischemic Rat Hearts. <i>Acta Histochemica Et Cytochemica</i> , 2021 , 54, 65-72	1.9	1
4	Detecting nitrile-containing small molecules by infrared photothermal microscopy. <i>Analyst, The</i> , 2021 , 146, 2307-2312	5	0
3	1P-335 An optical pacemaker for heart muscle cells(The 46th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2008 , 48, S74	0	
2	1P-340 An optical pacemaker for heart muscle cells : the laser irradiation power, phase, frequency dependencies(The 46th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2008 , 48, S74-S75	0	
1	Deep-ultraviolet microscopy for tryptophan label-free imaging in cells and tissue 2022 , 25-39		